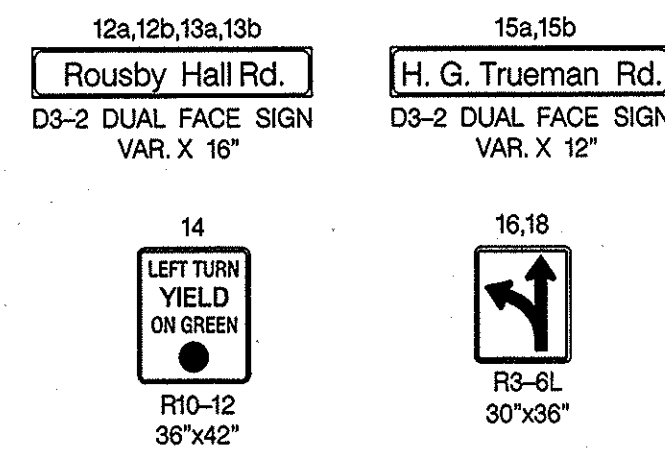


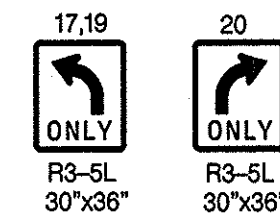
REVISION DATE: 11/05/04

MD 765 IS ASSUMED
TO RUN IN A NORTH-SOUTH DIRECTION

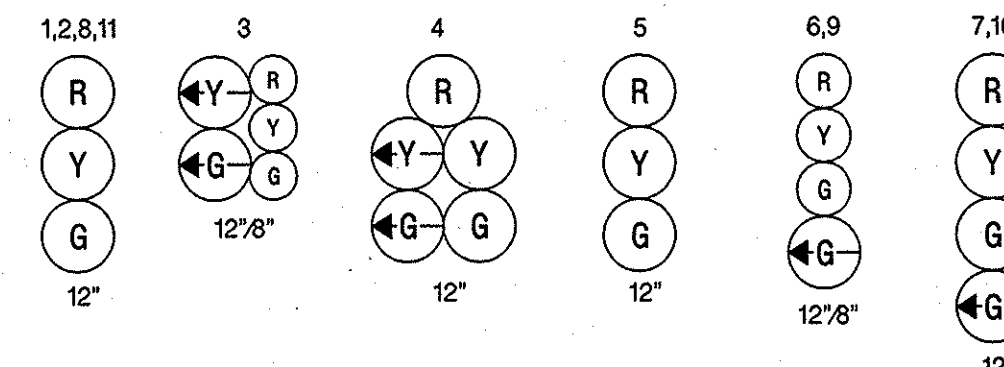
EXISTING SIGNS



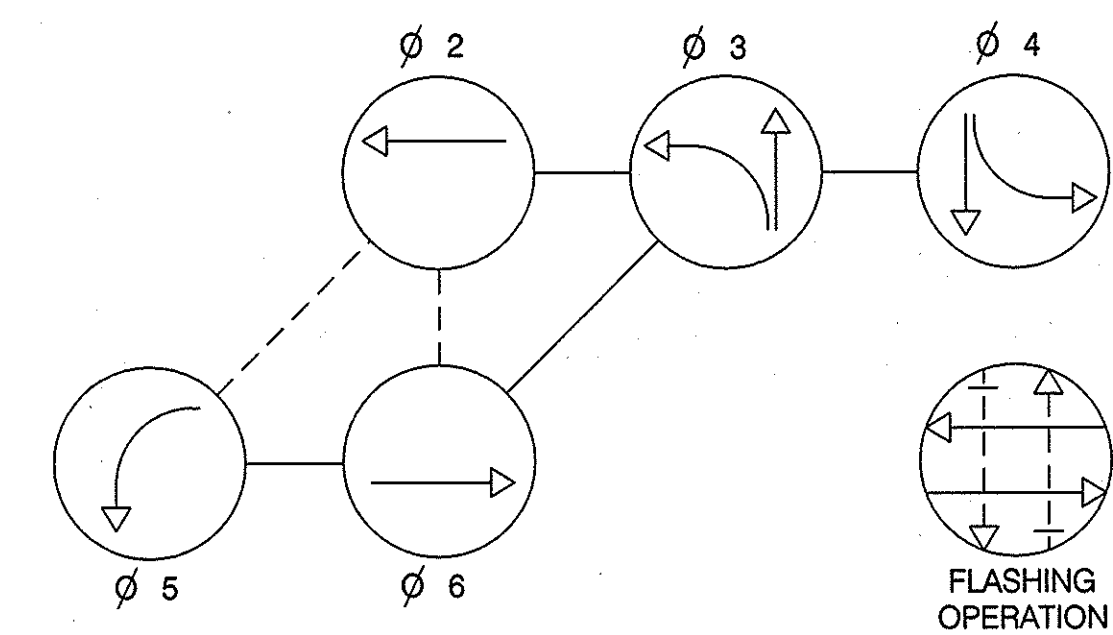
PROPOSED SIGNS



EXISTING SIGNALS



NEMA PHASING



PHASING NOTES:
1.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2.) PHASES ASSOCIATED BY A DASHED LINE MAY OPERATE CONCURRENTLY.

GENERAL NOTES

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THE CONFLICT MAY BE RESOLVED.
2. FOR THE MICRO-LOOP PROBES, INSTALL THE LEAD-IN THROUGH THE EXISTING AND PROPOSED CONDUIT TO THE EXISTING POLE MOUNTED CABINET.
3. SPLICE TWO DETECTORS TO THE EXISTING 2-CONDUCTOR (ALUMINUM SHIELDED) CABLE IN THE EXISTING HANDHOLE. FOR THE THIRD DETECTOR, INSTALL NEW 2-CONDUCTOR (ALUMINUM SHIELDED) CABLE THROUGH THE EXISTING CONDUIT TO THE POLE MOUNTED CABINET.
4. INSTALL PRESENCE DETECTORS 1 ft. BEHIND STOPLINE

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 765 AND MD 760 IN CALVERT COUNTY. MD 765 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES AS A NEMA FIVE-PHASE, FULLY-ACTUATED MODE WITH AN EXCLUSIVE LEFT TURN PHASE FOR THE SOUTHBOUND MD 765 APPROACH AND SIDE STREET SPLIT PHASING. THIS PHASING WILL NOT CHANGE.

PROJECT CONSTRUCTION

WORK WILL INCLUDE REPLACING DETECTION ON MD 760

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO COTS FOR APPROVAL PRIOR TO INSTALLATION.

QUANTITY	DESCRIPTION
1 EA	MAINTENANCE OF TRAFFIC
90 LF	FURNISH AND INSTALL 3 IN. SCHEDULE 80 CONDUIT - TRENCHED
50 LF	FURNISH AND INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE, NON-METALLIC CONDUIT
	DETECTOR SLEEVE
520 FT	FURNISH AND INSTALL SAWCUT
4 EA	FURNISH AND INSTALL MICROLOOP PROBE WITH 500' LEAD-IN
1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
40 LF	FURNISH AND INSTALL 24 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING
1400 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN 14 IN. FLEXIBLE TUBING
220 LF	FURNISH AND INSTALL 2-CONDUCTOR ELECTRICAL CABLE (ALUMINUM SHIELDED)
1 EA	FURNISH AND INSTALL 4-CHANNEL, TIME-DELAY OUTPUT LOOP DETECTOR AMPLIFIER
2 EA	FURNISH AND INSTALL R3-6 L SIGN (30 IN. X 36 IN.) - MAST ARM MOUNT
1 EA	FURNISH AND INSTALL R3-6 R SIGN (30 IN. X 36 IN.) - MAST ARM MOUNT

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	— A —
ELECTRICAL	— E —
TELEPHONE	— T —
GAS	— G —
SEWER	— S —
WATER	— W —
CABLE TV	— TV —

CONSTRUCTION DETAILS

1. INSTALL MICROLOOP PROBE
2. INSTALL HANDHOLE
3. INSTALL 1 IN. LIQUID-TIGHT, FLEXIBLE, NON-METALLIC CONDUIT (DETECTOR SLEEVE)
4. INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL CONDUIT - TRENCHED
5. USE EXISTING CONDUIT
6. USE EXISTING HANDHOLE
7. INSTALL 6 ft. X 30 ft. QUADRUPOLE TYPE LOOP DETECTOR (3-6-3 WINDING)
8. INSTALL 24 IN. WHITE PAVEMENT MARKINGS
9. USE EXISTING POLE MOUNTED CABINET
10. INSTALL SIGNS AS SHOWN AND REMOVE EXISTING SIGNS

TRAFFIC CONCEPTS, INC.
325 Gambrills Road
Suite E
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FAX (410) 923-6473
EMAIL TRAFFIC.CONCEPTS@COMCAST.NET

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS
① REPLACE E & W MD 760 DETECTORS
SHA NO. BW 990482 10/28/05
TMZ 10/28/05
C INSTALL LAGGING EP FOR SB LEFT TURNS ON MD 765
8/200
CJS
B INSTALL LOOP DETECTORS ON MD 760 AND MD 765
12/06/95

SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION	
TRAFFIC SIGNAL PLAN MD 765 AND MD 760	
SCALE 1"=20'	DATE 5-11-90
CONTRACT NO. 238S4T2S02812	
DESIGNED BY R. ZACHERYL (STS)	COUNTY CALVERT
DRAWN BY R. ZACHERYL (STS)	LOGMILE 04076501.96
CHECKED BY EMM / DJD	T.I.M.S. NO. H368
F.A.P. NO. NA	TOD NO.
DRAWING NO. TS 2643 D	SHEET NO. 1 OF 1